

CYBER SESSION

Visualizing Blue Networks with M&S

Cyber Session Attendees

26NOS	AFNIC/EVS	Joint & Coalition Warfighting Center
26OSS	AFOTEC	Lockheed Martin
505CS	AFRL/RDTA	MITRE
505CTS	AFSPC/A9	NASIC/ACLC
561NOS	AF ISR Agency	Navy Warfare Development Command
595SG/DMOC-S	AF ESC/XRX, HNAB, XRXD	RhinoCorps
705CTS/ATECS	Air Combat Command	SAIC
711 HPW/RHAS	Air Education Training Command	SIDC/595SG
90 IOS	Alion	The Boeing Company
AF/A3-OT	Cubic Defense Applications	US Army PEO STRI
AF/A5XS	DSCI	USCYBERCOMMAND
AF/A6WM	Florida Air National Guard	USSTRATCOM
AFAMS	General Dynamics	Warrior Preparation Center
AFNIC/EVPC	Joint Staff DDJ7, JOSE	Wyle

Proposed Group Agreements

- How – Our Approach:

- 5 minutes – Intro
- 10 minutes – Our group’s 10 minute contribution to the “Perennial AF (and above) Problems” product
 - Should save us time overall because we won’t have to discuss these same issues again this year
- ≤180 minutes – Address “Visualizing Blue Networks with M&S”
- As needed – Eat donuts, drink coffee
- As needed – Take restroom or other morale-building breaks

Proposed Group Agreements

- **Why - Our Overall Goal:** Serve the AF and Joint mission by providing our group's contribution as part of the overall conference
- **What - Our Specific Products:**
 - Our group's 10 minute input to a conference product that addresses "Perennial AF (and above) Problems"
 - Our group's unique products:
 - Actionable Recommendations to AF Senior Leadership
 - Other Actionable Recommendations (especially actions we will do ourselves)
 - Other 'Non-Actionable' Recommendations (e.g., change the law, change OSD policy, etc.) captured as backup material
- **How – Our Style:** We will honor and respect the goal, the group, the individuals, the ideas, and our agreements
 - We'll make the best contribution we can in the time available

- CSAF/SECAF level concerns that each breakout session must evaluate as they apply to our particular focus area (ex Cyber)

- Network: a system for communication among two or more computers; it may be fixed or temporary
- Blue networks: our own AF and US Joint military networks; not red nor grey networks
- Visualizing with M&S: using physical, mathematical, or otherwise logical means to achieve a simplified visual representation of the network
- Operational users who need to visualize blue networks are well defined
 - Multiple tiers/levels (local/regional/global)
 - Service and Joint users, interdependent (ex 624OC, USCC JOC)
- User Defined Operational Picture (UDOP)—no single COP will provide the information required by all users
- MAJCOM/NAF processes have already gathered bulk of requirements

- Define current efforts
 - Current pioneering & development stage
 - Multiple efforts exploring innovative approaches
 - Lessons learned
 - Recommendations
- Define community, Inform Way Ahead
 - Options for future interoperability or integration
 - GCCS example—each service's unique COP feeds a top COP

Define Current Efforts-Military

Visualizing Blue Networks with M&S

- Define current efforts-Military
 - 26NOS
 - 561NOS
 - ESC
 - USCC
 - Other
- Lessons learned in your efforts?

Define Current Efforts-Industry

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- Define current efforts-Industry
 - At least tell us if your organization is working on something
 - No proprietary/compromising details required
 - Does anyone know of any other ongoing industry efforts?
- Lessons learned in your efforts?

- Recommendations
 - Areas for exploration?
 - Tools to assess?
 - Actionable Recommendations to AF Senior Leadership?
 - Other Actionable Recommendations (actions we will do ourselves)?
 - Other 'Non-Actionable' Recommendations?
 - Other ideas?